



**THE BOUNDEDNESS OF BESSEL-RIESZ OPERATORS ON GENERALIZED
MORREY SPACES**

MOCHAMMAD IDRIS, HENDRA GUNAWAN AND ERIDANI

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DEPARTMENT OF MATHEMATICS, BANDUNG INSTITUTE OF TECHNOLOGY, BANDUNG 40132, INDONESIA.
mochidris@students.itb.ac.id

DEPARTMENT OF MATHEMATICS, BANDUNG INSTITUTE OF TECHNOLOGY, BANDUNG 40132, INDONESIA.
hgunawan@math.itb.ac.id
URL: <http://personal.fmipa.itb.ac.id/hgunawan/>

DEPARTMENT OF MATHEMATICS, AIRLANGGA UNIVERSITY, SURABAYA 60115, INDONESIA.
eridani.dinadewi@gmail.com

ABSTRACT. In this paper, we prove the boundedness of Bessel-Riesz operators on generalized Morrey spaces. The proof uses the usual dyadic decomposition, a Hedberg-type inequality for the operators, and the boundedness of Hardy-Littlewood maximal operator. Our results reveal that the norm of the operators is dominated by the norm of the kernels.

Key words and phrases: Bessel-Riesz operators, Hardy-Littlewood maximal operator, generalized Morrey spaces, Boundedness, Kernels.

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